AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1-16. (Cancelled)
- 17. (currently amended) A kit for detecting the presence of tumor cells in <u>a mammal</u> an animal, comprising:
 - a receptacle adapted to receive a sample; and
 - a means for detecting expression of VEGF-B₁₈₆ in said sample,

whereby detection of expression of VEGF-B₁₈₆ is indicative of the presence of tumor cells.

- 18. (currently amended) A kit for detecting the presence of tumor cells in <u>a mammal</u> an animal, comprising:
 - a receptacle adapted to receive a sample;
- a means for determining an expression level of VEGF-B $_{186}$ in said sample; and
- a means for comparing said expression level of VEGF- B_{186} with a control level of VEGF- B_{186} in an animal absent tumors,

wherein determination of an increased expression level of VEGF- B_{186} over the control expression level is indicative of the presence of tumor cells.

19. (currently amended) A method for screening for anti-tumor agents, comprising:

applying a candidate test agent to a tumor cell; and

detecting, by any suitable means, a decrease in the level of expression of VEGF-B₁₈₆ in the tumor cell,

wherein a decrease in the expression level indicates that the candidate agent is an anti-tumor agent.

- 20. (new) A kit according to Claim 17, further comprising a means for detecting expression level of VEGF-B₁₆₇.
- 21. (new) A kit according to Claim 17, wherein the means for detecting VEGF-B₁₈₆ comprises suitable agents for detecting VEGF-B₁₈₆ at nucleic acid level.
- 22. (new) A kit according to Claim 21, wherein the means for detecting VEGF-B₁₈₆ comprises suitable agents for detecting VEGF-B₁₈₆ at RNA level.
- 23. (new) A kit according to Claim 17, wherein the means for detecting VEGF-B₁₈₆ comprises suitable agents for detecting VEGF-B₁₈₆ at protein level.
- 24. (new) A kit according to Claim 23, wherein the means for detecting VEGF-B₁₈₆ at protein level comprises a VEGF-B₁₈₆-specific antibody.
- 25. (new) A kit according to Claim 24, wherein said VEGF-B₁₈₆-specific antibody is a monoclonal antibody.
- 26. (new) A kit according to Claim 24, wherein the antibody is labeled covalently or noncovalently with a detectable label.
- 27. (new) A kit according to Claim 26, wherein the detectable label is selected from the group consisting of supermagnetic agent, a paramagnetic agent, an electron dense agent, an ecogenic agent, and a radioactive agent.

- 28. (new) A kit according to Claim 26, wherein the detectable label is selected from the group consisting of ¹²⁵I, ³²P, an enzymatic label, and a fluorimetric labels.
- 29. (new) A kit according to Claim 28, wherein the enzymetic label is horseradish peroxidase.
- 30. (new) A kit according to Claim 28, wherein the fluorimetric label is fluorescein-5-isothiocyanate (FITC).
- 31. (new) A kit according to Claim 20, wherein the means for detecting VEGF-B₁₆₇ comprises suitable agents for detecting VEGF-B₁₆₇ at nucleic acid level.
- 32. (new) A kit according to Claim 31, wherein the means for detecting VEGF-B₁₆₇ comprises suitable agents for detecting VEGF-B₁₆₇ at RNA level.
- 33. (new) A kit according to Claim 20, wherein the means for detecting VEGF-B₁₆₇ comprises suitable agents for detecting VEGF-B₁₆₇ at protein level.
- 34. (new) A kit according to Claim 33, wherein the means for detecting VEGF-B₁₆₇ at protein level comprises a VEGF-B₁₆₇-specific antibody.
- 35. (new) A kit according to Claim 34, wherein said VEGF- B_{167} -specific antibody is a monoclonal antibody.
- 36. (new) A kit according to Claim 34, wherein the antibody is labeled covalently or noncovalently with a detectable label.
- 37. (new) A kit according to Claim 36, wherein the detectable label is selected from the group consisting of supermagnetic agent, a paramagnetic agent, an electron dense agent, an ecogenic agent, and a radioactive agent.

- 38. (new) A kit according to Claim 36, wherein the detectable label is selected from the group consisting of ¹²⁵I, ³²P, an enzymatic label, and a fluorimetric labels.
- 39. (new) A kit according to Claim 38, wherein the enzymetic label is horseradish peroxidase.
- 40. (new) A kit according to Claim 38, wherein the fluorimetric label is fluorescein-5-isothiocyanate (FITC).
- 41. (new) An isoform-specific antibody that reacts with VEGF-B₁₆₇ but not VEGF-B₁₈₆.
- 42. (new) The isoform-specific antibody of Claim 41, which is a monoclonal antibody.
- 43. (new) The isoform-specific antibody of Claim 41, which is a humanized antibody.
- 44. (new) The isoform-specific antibody of Claim 41, which is a chimeric antibody.
- 45. (new) The isoform-specific antibody of Claim 41, which is labeled covalently or noncovalently with a detectable label.
- 46. (new) The isoform-specific antibody of Claim 45, wherein the detectable label is selected from the group consisting of supermagnetic agent, a paramagnetic agent, an electron dense agent, an ecogenic agent, and a radioactive agent.
- 47. (new) The isoform-specific antibody of Claim 45, wherein the detectable label is selected from the group consisting of ¹²⁵I, ³²P, an enzymatic label, and a fluorimetric labels.

- 48. (new) The isoform-specific antibody of Claim 47, wherein the enzymetic label is horseradish peroxidase.
- 49. (new) The isoform-specific antibody of Claim 47, wherein the fluorimetric label is fluorescein-5-isothiocyanate (FITC).
- 50. (new) A pharmaceutical composition comprising an antibody of Claim 41, and a pharmaceutically acceptable excipient.
- 51. (new) An isoform-specific antibody that reacts with VEGF- B_{186} but not VEGF- B_{167} .
- 52. (new) The isoform-specific antibody of Claim 51, which is a monoclonal antibody.
- 53. (new) The isoform-specific antibody of Claim 41, which is a humanized antibody.
- 54. (new) The isoform-specific antibody of Claim 41, which is a chimeric antibody.
- 55. (new) The isoform-specific antibody of Claim 52, which is labeled covalently or noncovalently with a detectable label.
- 56. (new) The isoform-specific antibody of Claim 55, wherein the detectable label is selected from the group consisting of supermagnetic agent, a paramagnetic agent, an electron dense agent, an ecogenic agent, and a radioactive agent.
- 57. (new) The isoform-specific antibody of Claim 55, wherein the detectable label is selected from the group consisting of ¹²⁵I, ³²P, an enzymatic label, and a fluorimetric labels.

- 58. (new) The isoform-specific antibody of Claim 57, wherein the enzymetic label is horseradish peroxidase.
- 59. (new) The isoform-specific antibody of Claim 57, wherein the fluorimetric label is fluorescein-5-isothiocyanate (FITC).
- 60. (new) A pharmaceutical composition comprising an antibody of Claim 51, and a pharmaceutically acceptable excipient.
- 61. (new) A method for inhibiting VEGF-B₁₆₇ mediated angiogenesis in a mammal in need thereof, comprising administering to said mammal an effective amount of a VEGF-B₁₆₇ antagonist.
- 62. (new) A method according to Claim 61, wherein the VEGF-B₁₆₇ antagonist is a VEGF-B₁₆₇-specific antibody.
- 63. (new) A method according to Claim 61, wherein the VEGF-B₁₆₇ antagonist comprises a small molecule antagonist.
- 64. (new) A method according to Claim 61, wherein the VEGF- B_{167} antagonist comprises a nucleic acid molecule that is anti-sense to a polynucleotide sequence encoding VEGF- B_{167} .
- 65. (new) A method according to Claim 61, wherein the method is for inhibiting the proliferation of angiogenesis-dependent tumor, or for inhibiting new blood vessel formation in diabetic retinopathy, psoriasis, arthopathies or a vascular tumor.
- 66. (new) A method according to Claim 61, wherein the vascular tumor is haemangioma.
- 67. (new) A method for inhibiting VEGF-B₁₈₆ mediated angiogenesis in a mammal in need thereof, comprising administering to said mammal an effective amount of a VEGF-B₁₈₆ antagonist.

- 68. (new) A method according to Claim 67, wherein the VEGF-B₁₆₇ antagonist comprises a VEGF-B₁₈₆—specific antibody.
- 69. (new) A method according to Claim 67, wherein the VEGF- B_{167} antagonist comprises a small molecule antagonist.
- 70. (new) A method according to Claim 67, wherein the VEGF-B₁₆₇ antagonist comprises a nucleic acid that is anti-sense molecule to a polynucleotide sequence encoding VEGF-B₁₈₆.
- 71. (new) A method according to Claim 67, wherein the method is for inhibiting the proliferation of angiogenesis-dependent tumor, or for inhibiting new blood vessel formation in diabetic retinopathy, psoriasis, arthopathies or a vascular tumor.
- 72. (new) A method according to Claim 67, wherein the vascular tumor is haemangioma.
- 73. (new) A method for inhibiting tumor cell formation or tumor cell growth, the method comprising administering to a patient in need thereof an antagonist to VEGF-B₁₈₆.
- 74. (new) A method according to Claim 73, wherein the antagonist comprises an isoform-specific antibody to VEGF-B₁₈₆.
- 75. (new) A method according to Claim 73, wherein the VEGF-B₁₈₆ antagonist comprises a small molecule antagonist.
- 76. (new) A method according to Claim 73, wherein the VEGF-B₁₈₆ antagonist comprises a nucleic acid molecule that is anti-sense to a polynucleotide sequence encoding VEGF-B₁₈₆.

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- 77. (new) A method according to Claim 73, wherein the tumor cell is selected from the group consisting of fibrosarcoma, melanoma, Lewis lung carcinoma, glioma, and pheochromocytoma.
- 78. (new) A method according to Claim 73, wherein the tumor cell is benign or malignant.
- 79. (new) A method according to Claim 73, wherein the patient is human.